

(916) 654-4715

January 3, 2000

MEMBERS AND ALTERNATES,  
CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE

**1993 ANNUAL REPORT**

This 1993 annual report of actions taken by the California Traffic Control Devices Committee is respectfully submitted in compliance with the CTCDC Bylaws.

Sincerely,

Jack M. Kletzman  
Executive Secretary, CTCDC

Attachment

**CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE  
1993 ANNUAL REPORT**

This report is prepared in compliance with Article IV of the bylaws of the California Traffic Control Devices Committee.

**1993 Voting Members**

Capt. Mike Howard	Chairman, California Highway Patrol, 2555 First Avenue Sacramento, CA 95818
Mr. Dick Folkers	Vice Chairman, LOCC, City of Palm Desert, 73-510 Fred Waring Drive Palm Desert, CA 92260
Mr. Roger Burger (Retired)	CSAC, Los Angeles County, Department of Public Works, P.O. Box 1460 Alhambra, CA 91802-1460
Mr. Bruce Carter	CSAC, Shasta County, Department of Public Works, 1855 Placer Street Redding, CA 96001
Mr. Gary Foxen	Auto Club of Southern California, P.O. Box 2890 Los Angeles, CA 90051
Mr. Perry Lowden Jr.	California Department of Transportation, 1120 N Street Sacramento, CA 95814
Mr. Russ Taft	California State Automobile Association, 150 Van Ness Avenue San Francisco, CA 94102-1860
Mr. Wayne Tanda	LOCC, City of San Jose, 4 North Second Street, Suite 1000 San Jose, CA 95113

The following alternate members were designated by the parent organizations to act in the absence of their appointed delegates:

Ms. Merry Banks	California State Automobile Association, 150 Van Ness Avenue San Francisco, CA 94102-1860
Mr. Jack Kletzman	California Department of Transportation, 1120 N Street Sacramento, CA 95814
Mr. Farhad Mansourian	CSAC, Marin County Department of Public Works, P.O. Box 4186 San Rafael, CA 94913
Mr. Ray Mellen	Auto Club of Southern California, P.O. Box 2890 Los Angeles, CA 90051
Mr. Harold Rosenberg	LOCC, City of Chula Vista, 276 Fourth Avenue Chula Vista, CA 92010
Mr. Ed Von Borstel	LOCC, City of Modesto, P.O. Box 642 Modesto, CA 95353
Mr. John Wallo	CSAC, San Luis Obispo County Traffic Department, Court House Annex, Osos and Palm Streets San Luis Obispo, CA 93408
Lt. Shawn Watts	California Highway Patrol, 2555 First Avenue Sacramento, CA 95818

### **Secretary**

Mr. Jack Kletzman	California Department of Transportation, 1120 N Street Sacramento, CA 95814
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### **MEETINGS**

February 17, 1993	Caltrans District 12 District Auditorium	San Diego
May 20, 1993	California State Automobile Assoc. Training Facility	Hayward
October 14, 1993	City Council Chambers Civic Center	Palm Desert

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### Agenda

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93-13	SOLAR POWERED SIGNS
93-14	SPEED CONTROL SIGN, EXPERIMENTATION REQUEST
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93-17	STOP SIGN SAFETY WALKER
93-18	CROSS WALKS, SEQUENTIAL LIGHTING

### Information Items

None

## ACCOMPLISHMENTS

Item 90-9 The Committee could not discern that any benefit had been established by a study of year round school signing and voted to take no action.

Item 91-7 The Light Rail Subcommittee recommended that alternating flashing red lights are an inappropriate signal and not be adopted. The Subcommittee also suggested that this item be completed and future recommendations be presented as separate items. The Committee agreed with these proposals.

Item 92-13 A proposed sign indicating locations of police or sheriffs facilities was presented by Caltrans at the request of local agencies. The design was circulated to law enforcement agencies to determine the appropriateness of the symbol. There was no response and the Committee concluded there was no interest in the sign.

Item 92-17 The Committee voted to adopt a fuel pump symbol with a natural gas plate for public gas stations that dispense natural gas.

Item 93-1 As directed by the Committee, Ms. Fitzgerald, of the Santa Cruz Planning Department, was advised that disabled facilities, such as her concern about traffic island cut outs, are under the purview of the Department of Architecture.

Item 93-4 The Committee set up a separate Convex Mirror Subcommittee

Item 93-7 The Committee voted to recommend Federal specifications for drums as an allowable alternate for channelizers on construction sites. The drum would be fabricated in two pieces from low density plastic, have a minimum of two orange and two white stripes, with a closed top.

Item 93-8 A proposal to use a flashing green phase for traffic signals to indicate to motorists that the yellow phase is coming was not approved.

Item 93-9 The Committee strongly supported the Marking Subcommittee's (of the National Committee) recommendation against an FHWA proposal to greatly increase requirements for centerline delineation on city streets in the MUTCD.

Item 93-11 The Committee, with some minor requests, approved the rough draft of Chapter 10 of the Traffic Manual.

Item 93-16 The Committee recommended a supplemental ON RED message for R16 and R17 symbol signs as an alternate sign. The sign could be manufactured as one sign or have supplemental plates for existing signs.

## **SUMMARY OF ACCOMPLISHMENTS**

1 items carried over from 1989  
2 items carried over from 1990  
2 items carried over from 1991  
5 items carried over from 1992  
18 items introduced in 1993  
27 items considered in 1993  
1 item not considered in 1993  
11 items completed in 1993  
2 items withdrawn in 1993  
10 items tabled in 1993  
4 items carried over to 1994

## **ITEMS CARRIED INTO FUTURE YEARS**

Item 92-18	GOLF CART SYMBOL SIGN
Item 93-12	PEDESTRIAN CROSSWALKS
Item 93-15	LANE REDUCTION SIGNING
Item 93-17	STOP SIGN SAFETY WALKER

## **ITEMS WITHDRAWN**

Item 93-6	BIKE LANE QUEUING AREA DELINEATION
Item 93-13	SOLAR POWERED SIGNS

## **TABLED AGENDA ITEMS**

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Item 93-18	CROSSWALKS, SEQUENTIAL LIGHTING

## **EXPERIMENTAL ITEMS**

### **Item 89-9      EMERGENCY VEHICLE APPROACHING SIGN**

In 1989 the committee approved an experimental work plan for testing an emergency signal system. This system is to be installed at several intersections in downtown Sacramento in cooperation with the local fire department. In 1990, Mr. R. C. Anderson demonstrated the prototype sign for the Committee. Sign erection and data collection have not yet occurred. In 1992 and 1993 the status remained unchanged.

### **Item 90-7      BICYCLE SIGNAL HEADS**

The city of Davis proposed an experiment using separate signal heads for bicycles. The city has a large bicycle population and is hoping to increase efficiency through intersections having considerable numbers of motor vehicle, bicycle accidents. The Committee approved the experiment.

### **Item 92-4      TRAFFIC SIGNAL DIMMING**

The City of San Jose has been granted permission to experiment with light emitting diodes and night dimming of traffic signals for the purpose of power cost reduction.

### **Item 93-2      LED STUDY BY CALTRANS**

Caltrans is installing approximately 1900 LED red indications in the District 6 (Fresno) area. If the test for durability and retention of an acceptable ITE National Standard photometric distribution is successful, it would represent a significant savings in maintenance and system operations. The Committee approved the experiment.

### **Item 93-10     SIGNING, YELLOW GREEN SPECTRUM**

Napa County and the City of Napa have been granted permission, subject to Federal approval, for a joint experiment with yellow green signs. They hope to demonstrate superior visibility over existing yellow warning signs. This should be most apparent during periods of dawn and dusk. Sign installation is to be at six schools and is limited to school symbol, school crossing symbol, pedestrian symbol, and pedestrian crossing symbol signs.

### **Item 93-14     SPEED CONTROL SIGN, EXPERIMENTATION REQUEST**

Ms. Joanne Kulachok and Mr. Jerry Crabill under the auspices of the cities of Yorba Linda and Laguna Hills have been granted permission to experiment with a radar enforcement symbol sign. The symbol is a representation of a motorcycle officer pointing a radar gun. Some sign modifications were required by the Committee. The symbol sign is intended to produce a residual reduction in traffic speed.

### **Item 93-18     CROSSWALKS, SEQUENTIAL LIGHTING**

Chief Sal Rosano of the City of Santa Rosa has been granted permission to experiment with lit crosswalks designed to alert motorists that a pedestrian is using the crosswalk. The experiment evolved from the fact that a number of motorists involved in vehicle-pedestrian accidents say they did not see the pedestrian. The Committee required, among other things, that lights be non sequential, the device be used on uncontrolled intersections, and the color of light match the crosswalk.

## **MISCELLANEOUS**

Mr. Roger Burger of the County of Los Angeles Department of Public Works has retired. Mr. Burger has given many years of substantial service to the Committee and will be missed. CSAC has elevated Mr. John Wallo, of the San Luis Obispo County Traffic Department to replace him.

Mr. Richard Folkers from the City of Palm Desert has been elected to succeed Capt. Mike Howard as Chairman of the Committee. The Committee decided to wait until new members were seated before electing a Vice-Chairman.

Mr. Ed Von Borstel is the new LOCC alternate representative from the City of Modesto, Mr. Chris Ramstead from the Los Angeles County Public Works Dept. takes Mr. Wallo's alternate position for CSAC, and Mr. Jack Kletzman from Caltrans will serve as the remaining alternate.

Additional information regarding the minutes of the CTCDC meetings held during 1993 may be obtained upon request from the Executive Secretary or any member of the California Traffic Control Devices Committee.

Respectfully submitted,

Jack M. Kletzman  
Executive Secretary, CTCDC  
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## **SIGNING RECOMMENDATIONS**

All additions, revisions and deletions of approved sign specifications made by Caltrans during 1993, are included in the "New and Revised Specification Sheets" and will be sent under separated cover.

As provided in California Vehicle Code Sections 212400 and 21401, a list of approved signs for use on streets and highways in California is available from the Caltrans Manuals and Publications Unit, 1900 Royal Oaks Drive, Sacramento, CA 95815.